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November 20th, 1958

COCOM Document Sub-C(58)6

COORDINATING COMMITTEE

SUB-COMMITTEE ON LISTS

REPORT BY THE CHAIRMAN

ON

ALLOYS

DISCUSSIONS HELD ON THE 5th and 6th NOVEMBER, 1958

Present: Belgium(Luxembourg), Canada, France, Germany(Chairman), Italy, Japan, Netherlands, United Kingdom, United States.

References: COCOM 3016.61/1 and 2; COCOM Sub-C(58)6; Metals, Minerals and their Manufactures/Working Papers 22, 23, 24, 25, 26 and 27.

New
Inter-
pretative
Note.

The Sub-Committee agreed to recommend to the Coordinating Committee for further study the following text for a new Interpretative Note.

INTERPRETATIVE NOTE NO. 6

Items 1635, 1648, 1649, 1654, 1658, 1661, 1670, 1671.

1. Raw Materials.

Where raw materials are covered by a definition the intent is to cover all materials from which the metal can be usefully extracted, i.e. ores, concentrates, matte, regulins, residues and dross (ashes).

2. Metals and Alloys.

Unless provision to the contrary is made in the definition, the words "metals" and "alloys" are intended to cover all crude and semi-fabricated forms as mentioned in the following list:

Crude forms:

Anodes, bars (including notched bars and wire bars), billets, blocks, blooms, cathodes, cakes, grains, granules, ingots, lumps, pellets, pigs, sticks, shot, slabs and sponge.

Semi-fabricated forms (whether or not coated, plated, drilled or punched):

- (i) Wrought or worked materials fabricated by rolling, drawing, extruding, forging, impact extruding, pressing, graining, atomising and grinding, i.e.: angles, channels, circles, discs, dust, flakes, foil and leaf, forgings, plates, powder, pressings and stampings, ribbons, rings, rods (including bare welding rods, wire rods, and rolled wire), sections, shapes, sheets, strip, pipe and tubes (including tube rounds, squares, and hollows), drawn or extruded wire;
- (ii) cast material produced by casting in sand, die, metal or other types of moulds, including high pressure castings, sintered forms and by powder metallurgy.

The special attention of Governments is drawn to the risk that the embargo might be defeated by the export of non-listed forms alleged to be finished products but representing in reality unwrought castings or forgings.

Item 1635

The Sub-Committee were able to confirm the recommendation set out on page 1 of COCOM Document Sub-C.(58) 6, except as regards the heading and parts (1)(b), (1)(c) and (1)(e). The discussion relating to these parts, as well as that concerning part (1)(d), is summarised below.

Heading

The United States Delegation maintained their reserve as set out in the first paragraph on page 2 of COCOM Document Sub-C.(58) 6.

Part (1)(b)

On the suggestion of the French Delegation, Delegates other than the United States Delegate agreed to recommend to their Governments the addition to the definition of Part (1)(b) of a Note reading:

"Governments may permit as administrative exceptions exports of small quantities of narrow strips for watch springs. Such shipments should be reported in the monthly statistics."

On this point, the United States Delegation undertook to report the views of the other Delegations.

Part (1)(c)

The Sub-Committee agreed to recommend to the Coordinating Committee that part (1)(c) of the definition should read:

(c) 1.5% or more niobium and/or tantalum; or .

Part (1)(d)

As to part (1)(d) of the definition, the French Delegation reiterated their arguments in favour of excluding nickel-bearing alloy steel containing 20% nickel and 25% chromium. It was not possible to find a solution, and Delegations agreed to leave the definition of this sub-item unchanged unless and until a new proposal accompanied by detailed justification should be submitted to the Committee. It was agreed that this text should become part (2) of the definition.

Part (1)(e)

(shown as

Part (2)

in Doc.

Sub-C.(58)6)

The Sub-Committee agreed to recommend to the Coordinating Committee that this definition should be changed to read:

(3) Precipitation hardening steels, containing 50% or more iron and 4% or more nickel.
(See Interpretative Note No. 4.)

Item 1648

The Sub-Committee were able to confirm the recommendation set out on page 2 of COCOM Document Sub-C.(58) 6 with regard to part (a) of the definition. The discussion relating to parts (b), (c) and (d) is summarised below.

Part (a)Part (b)

The United Kingdom Delegation submitted the following proposal for part (b):

"(b) Cobalt-bearing alloys, containing
(i) 50% or more cobalt, or 19% or more cobalt and 14% or more chromium, and less than 1% carbon;
(ii) 19% or more cobalt, 14% or more chromium, and 3% or more molybdenum."

The Delegation pointed out that the reference to carbon content in (i) applied to both sections of that part of the definition.

In the opinion of the United Kingdom Delegation, the following alloys, designated by their trade descriptions, would be caught by this definition and were not caught elsewhere in the 1600 group:

HS 96
Refractalloy 70
" 80
S.497
Uniloy N-155
" S-590
GE 1570
HS 21
HS.31 (X 40)
Jetalloy 209

Unitemp S-816
 " L605 (HS 25)
 V-36
 HS 23, 61
 HS 30, 422-19
 HS 36, L-251
 X 50
 X 63
 WF 31
 I-336
 HF-1049
 Stellite 7
 " 8
 G 32
 G 42
 73 J
 L11V2-2
 100NT-2

The United Kingdom Delegation furthermore suggested the addition to this sub-item of a Note reading:

"Governments may permit as administrative exceptions exports of cobalt for dental purposes. Such shipments should be reported in the monthly statistics."

The United States Delegation, reverting to a proposal of theirs set out on page 3 of COCOM Document Sub-C.(58) 6, stated that they had just received an instruction to reduce the figure of "19% or more cobalt, etc." to "1% or more cobalt and 14% or more chromium in combination". A list of relevant alloys was on its way to the Delegation. On the other hand, they would at once report the new United Kingdom suggestion to Washington in the hope of facilitating speedy agreement.

All Delegations undertook to submit these proposals to their Governments.

Part (c)

The United States Delegation proposed that part (c) of the item be changed to read:

"Cobalt-bearing scrap containing 6% or more cobalt, n.e.s."

He explained that the following would be understood to be covered.

Cobalt metal scrap, cobalt-based alloy scrap, and other alloys, including alloy steel scrap, containing 6% or more cobalt.

There was no support for these definitions from other Delegates. It was felt that the proposal ran counter to decisions taken previously on this and other metal items, and, moreover, that its implementation would involve very great administrative difficulties. All Delegations nevertheless undertook to refer the United States proposal to their authorities in an endeavour to find a solution within the limits of the administrative possibilities.

Part (d)

The Sub-Committee discussed the French Delegation's proposal (W.P.22) to embargo only cobalt compounds containing 30% or more cobalt.

The United States Delegation proposed to change the definition to read:

"(d) Compounds which in their hydrated form contain 20% or more cobalt (excluding: (i) paint driers, (ii) cobalt organic artificial colouring matters; and (iii) other paint pigments).

(NOTE: Paint driers, for this purpose, are regarded as being products, or preparations of such products, containing combined cobalt with or without other metals, produced in any way by reaction with one or more of the following: linseed oil, linseed oil fatty acids, colophony, tall oil, naphthenic acids, 2-ethyl-hexanoic acid.)"

The United Kingdom Delegation suggested modifying the French proposal to read: "Compounds which contain 30% or more cobalt in their anhydrous form".

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COCOM Document Sub-C.(58) 6

The French Delegation, after having consulted their experts, stated their readiness to accept the United Kingdom modification of their proposal. The German and Japanese Delegations also accepted this text, and the Chairman asked the United States Delegation (who had reserved their position) to refer the matter back to their Government in an endeavour to secure general agreement.

Item 1649

Following the concurrence expressed by the United States Delegation in the Coordinating Committee meeting on the 17th November, agreement was reached as to recommending the adoption of the following new definition:

1649 Niobium (columbium), as follows:

- (a) Ores and concentrates;
- (b) Ferro-niobium and ferro-niobium-tantalum;
- (c) Metal and niobium-based alloys containing 60% or more niobium or 60% or more niobium-tantalum in combination;
- (See Interpretative Note No. 6)
- (d) Scrap forms of the metal and alloys covered under (c) above.

Item 1654New part (b)

The United States Delegation proposed the addition of a second sub-item to the definition recommended in COCOM Document Sub-C.(58)6. The new text would read:

(b) Scrap forms of the alloys covered under (a) above.

The United States Delegation undertook to submit a memorandum explaining his Government's point of view on the embargoing of scrap under this item, as under some others. In the meantime he pointed out that the scrap forms of the alloys concerned were used almost exclusively in aircraft and thus met the requirements of criterion (a). The United Kingdom and French Delegations asked whether it was the United States Delegation's contention that the alloy could be reconstituted direct from the scrap forms. The discussion was adjourned pending receipt of the United States memorandum.

Item 1658

The Sub-Committee were able to confirm the recommendation set out on page 2 of COCOM Document Sub-C.(58) 6, with the insertion in part (b) of the figure of 60%.

As to part (b) of the old definition, the United States Delegation gave their agreement to the transfer of "Molybdenum-disulphide 86%" to the Chemicals category as Item 1743. The Sub-Committee therefore agreed to recommend this transfer formally to the Coordinating Committee.

Item 1661Part (a)

The Sub-Committee were able to confirm the recommendation on part (a) of this definition as set out on page 2 of COCOM Document Sub-C.(58) 6.

Part (b)

After studying the United Kingdom proposal set out in COCOM Document No. 3016.61/2, all Delegations save that of the United States accepted the following text for part (b):

"Nickel-based alloys containing 32% or more of nickel and 1% or more of titanium."

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COCOM Document Sub-C.(58) 8

While accepting this text, the French Delegation maintained their own proposal, in COCOM Document No. 2016.61/1, for the exclusion of magnetic metals not covered by Item 1631. With the exception of the United States Delegation, who reserved their position, the Sub-Committee agreed that this suggestion should be implemented in the form of a Note, as follows:

"Note: It is not the intention to cover those magnetic materials not covered by Item 1631."

New part (c) The United States Delegation proposed the addition of a new part (c) reading:

"Scrap forms of the alloys covered under (b) above".

The United States Delegation explained that this proposal was a consequence of the Sub-Committee's decision in October to delete from part (b) the words "in any form". The United States authorities had hitherto considered that those words covered scrap. While agreeing to the deletion of "in any form" - which they considered ambiguous - they were therefore proposing instead that scrap forms of the alloys referred to in part (b) should be specified in a separate sub-item.

Item 1670 Following the concurrence expressed by the United States Delegation in the Coordinating Committee meeting on the 17th November, agreement was reached to recommend the adoption of the text set out on page 3 of COCOM Document Sub-C.(58) 6, with the following amendments:

Part (b) Part (b): For "ferro-niobium-tantalum", substitute:
"ferro-tantalum-niobium".

Part (c) Part (c): For "niobium-tantalum", substitute:
"tantalum-niobium".

Item 1671 The United States Delegation confirmed their acceptance of the definition set out in COCOM Document Sub-C. (58) 6.

The Sub-Committee therefore agreed to recommend to the Coordinating Committee the adoption of the following definition:

Titanium, as follows:

- (a) Metal (including sponge) and titanium-based alloys containing 70% or more titanium;
(See Interpretative Note No. 6)
- (b) Scrap forms of the metal and alloys covered under (a) above.

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November 22nd, 1958.

Corrigendum to
COCOM Document Sub-C(58) 8

(English only)

COORDINATING COMMITTEE

SUB-COMMITTEE ON LISTS

C O R R I G E N D U M T O

REPORT BY THE CHAIRMAN

ON

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As a consequence of the agreement concerning the now
Interpretative Note No. 6 shown on page 1 of COCOM Document Sub-C(58) 8,
The Sub-Committee recommends to the Coordinating Committee that the words
"Raw materials" be substituted for the present definitions of sub-item
(a) in each of the following items:

1648, 1649, 1661 and 1670

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